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Order from SLA $1.10 61-14757

Trans. of Academie des Sciences [Paris]. Comptes Rendus (France) 1960, v. 251, no. 3, p. 324-326 (pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Transportation, *Electrical networks, Mathematical analysis.

(Mathematics, TT, v. 6, no. 3)

61-14757

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OVEN OPERATION AND AROMATICS CONTENT, BY H. BERGE, W. KIRCHNER.

GERMAN, PER, GAS-UND-WASSERFACH, VOL CII, 24 NOV 1961, PP 1288-1290.

BISI 2950

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Selective attack by Potentiostat, of the Phases
Laves, in a Two-Phase Stainless Steel, by A. Dunic
Bois, Ph. Berge, et al., 5 pp.
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FRENCH, rpt, Third Metallurgy Colloquim on Corrosion of Steel, Jun/Jul 1959, Saclay, pp 175-184.

BISI 2774

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Berge, Pierre and Blanc, Georges.
ADIABATIQUE CALORIMETER. [1961] 7p. (11 figs. omitted).
Order from SLA $1.10 62-10114

I. Berge, P.
II. Blanc, G.

Trans. of [Journal de Physique et le Radium] (France) 1960, v. 21, no. 7, suppl. p. 129A-133A.

DESCRIPTORS: *Calorimeters, Specific heat, Determination, *Heat transfer.

266056

The apparatus described permits the specific heats and their anomalies, between -190°C and 500°C to be reasonably measured. In this range the accuracy is limited by the ~~wax~~ meter. (Author)

(Physics--Thermodynamics, TT, v. 7, no. 9)

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The Size of the Cow in Relation to the Milk Production, by S. Berge, 17 pp.

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Alkylation of Diphenyl With Alcohols in the Presence of BF_3. H_3PO_4 Catalyst, by I. A. Romadan, and S. K. Ivanov, 4 pp.

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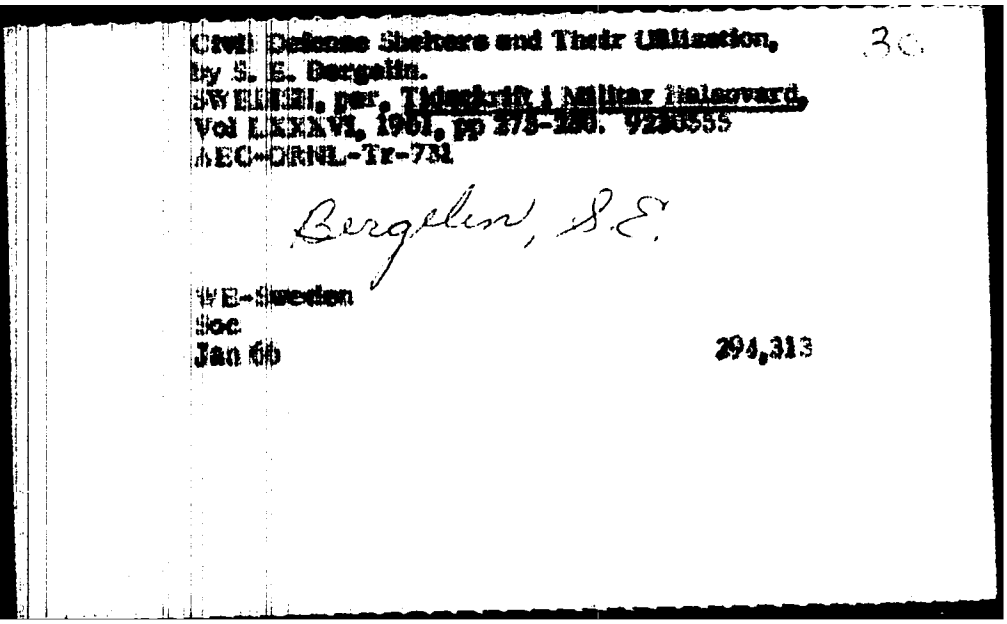

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SWEDISH, per. Tidskrift i Militar Helsovard,
Vol LXXXVI, 1961, pp 275-280. 9230555
AEC-ORNL-Tr-732

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Reactor Neutron Shield Without Hydrogen.
by Boris Rafailovic Bergelson.
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pp 283-287, 1964 9229634
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Boris Rafailovic Bergelson

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Stereochemistry and Mechanism of the Wittig Reaction, by L. D. Bergel'son, V. A. Vaver, et al, 10 pp.

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Unssaturated Acids and Macrocyclic Lactones. Communication 10. Synthesis of the Lactone of 3-Hydroxy-2,4,6,-Trimethylheptanedioic Acid, by L. D. Bergel'son, S. G. Batrakov, 7 pp.

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Unsaturated Acids and Macrocyclin Lactones. Communication 4. Diastereoisomeric 2, 3-Dihydroxy-2-methylpentatonic Acids and Their Resolution into Antipodes, by L. D. Bergel'son and E. V. Dyatlovitskaya, 5 pp.

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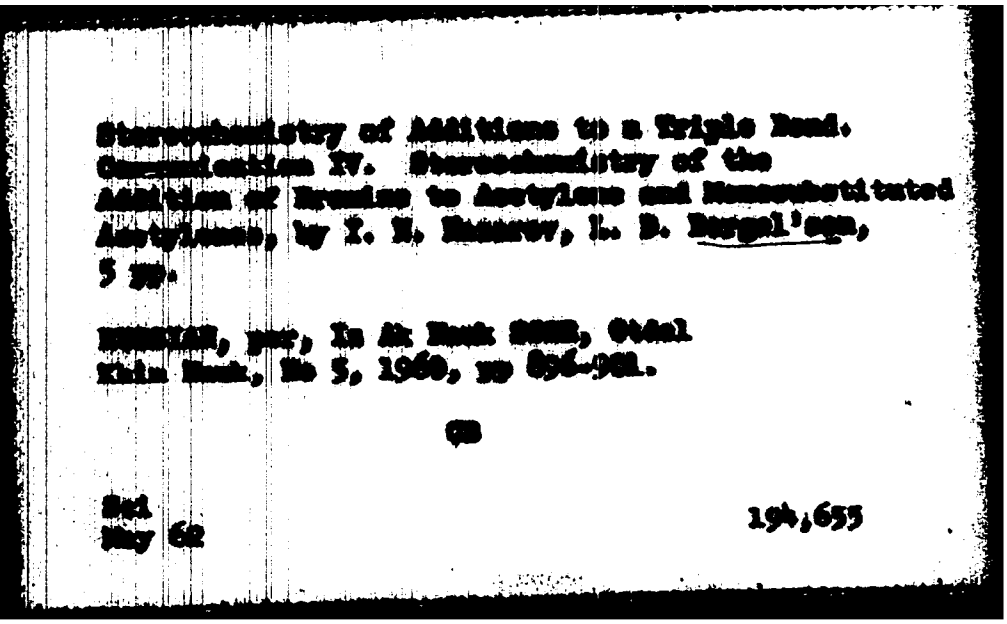

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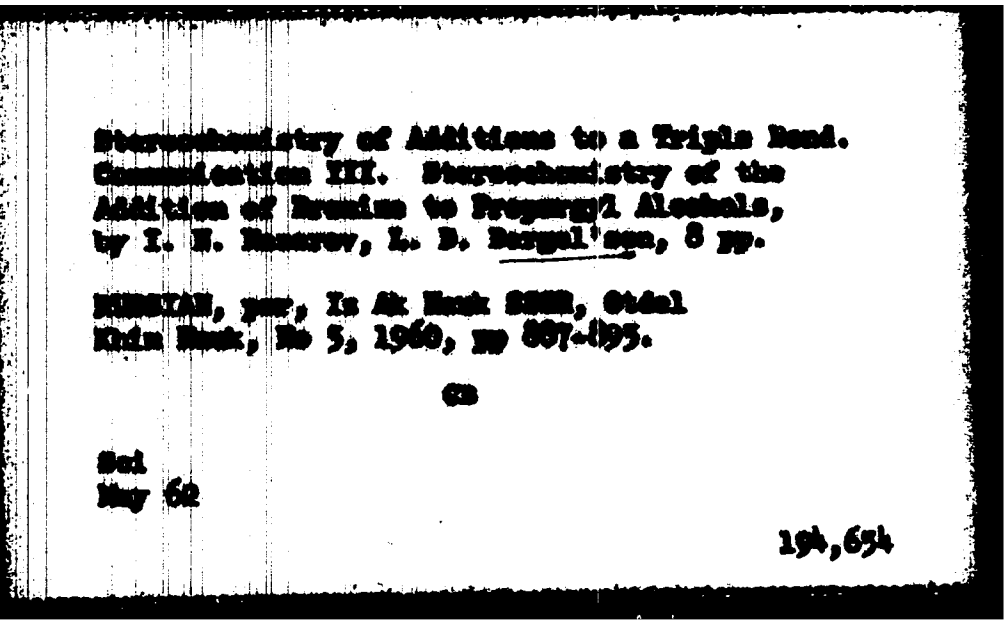

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Bergel'son, L. D., Vaver, V. A., and Shemyakin, M. M.
THE EFFECT OF THE SOLVENT ON THE STERIC COURSE OF THE WITTIG REACTION. 28 June 61 [3]p. 4 refs.
Order from OTS or SLA $1.10 61-18824

Trans. of #Akad[emiya] Nauk SSSR. Otdel[enie] Khim[icheskikh] Nauk. Izvest[iya] 1961, p. 729-730.

DESCRIPTORS: *Chemical reactions, *Organic solvents, Chemical effects, Stereochemistry, *Condensation reactions.

When the Wittig reaction is carried out in a dimethylformamide medium in the cold, the ratio of stereoisomeric reaction products shifts to the side of formation of the cis isomer. By condensation of benzylidenetriphenylphosphorane with benzaldehyde in dimethylformamide, we obtained a mixture of cis- and trans-
(Chemistry--Organic, TT, v. 6, no. 10) (over)

61-18824

1. Title: Wittig reaction
I. Bergel'son, L. D.
II. Vaver, V.A.
III. Shemyakin, M. M.

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Acetylene Derivatives. Communication 193.
Preparation of Acids from Tertiary Acetylenic
Alcohols, I. N. Nazarov, L. D. Bergel'son,
V. I. Dimov, 5 pp.

[illegible], per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 11, 1958, pp 1354-1360.

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Acetylene Derivatives. 192. The Stereochemistry of Hydrogenation of Acetylenic Glycols, by I. N. Nazarov, L. D. Bergel'son, L. P. Badenkova, B. V Lopatin, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 5, 1958, pp 1132-1143.

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Stereochemistry of Additions to Triple Bonds. Communication 7. Stereochemistry of the Hydrobromination of Bromoacetylenes Under Free-Radical Conditions, by L. D. Bergel'son, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8, 1960, pp 1235-1240.

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Derivatives of Acetylene 179. Stereochemistry of the Bromination of Acetylenic Alcohols. by I. N. Nazarov and L. D. Bergelson. 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 6, 1957, pp 1540-1546.

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Conformation Concepts in Organic Chemistry (Convention in Moscow), by M. G. Gonikberg, L. D. Bergelson.

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Synthesis of Polycyclic Compounds Related to Steroids. Communication 45. Synthesis of 4b, 6a, 7, 10, 10a 10b, 11, 12-Octahydro-6 (5H)-Chrysenone, by I. N. Nazarov, L. D. Bergel'son, 5 pp.

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Synthesis of Steroid Hormones, by I. N. Nazarov, L. D. Bergel'son.

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RUSSIAN, bimo par, Uspekh Khim, Vol XIX, USSR, 1951, pp 88-124.

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Acetylene Derivatives. 108. Synthesis of Polycyclic Compounds Related to Steroids. V. Total Synthesis of a Stereoisomer of 15 Methyl-androstenedione, by I. N. Nazarov, L. D. Bergel'son.

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RUSSIAN, per, Zhur [illegible] Khim, Vol. XX, No 4, 1950, pp 661-670.

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Unsaturated Acids and Macrocylic Lactones. Communication
6. Tri- and Tetra-Acetylenic Macrocyclic Lotones and the
Corresponding Polyenes, by L. D. Bergel'son,
Yu. G. Molotkovskii, 5 pp.

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Acetylene Derivatives, No 94, Synthesis of Polycyclic Compounds Related to Steriods: III, Complete Synthesis of Compounds With Androstance Skeletons and Their Structural Isomers With Methylcyclopentane Rings B, by L. N. Nazarov, L. D. Bergel'son, L. I. Shmonina, L. N. Terekhova. 4 pp.

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Derivatives of Acetylene. 133. Synthesis of Polycyclic Compounds Related to the Steroids. X. The Diene Condensation of 2-Methoxy-1,3-butadiene with Δ^1-Cyclohexen-6-one, by I.N. Nazarov and L.D. Bergelson, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 3, USSR, Mar 1952, pp 449-454.

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Nyberrism Problem in Forest Economy by J. Bergmann.

GERMAN, per, Allgemeine Forstzeitschrift, No 11, 1956, pp 297-304.

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Sex determination and bisexuality in fish (Kjønnsbestemmelse og tvekjønnethet hos fisk).
Fauna, 15(3): 152-156. In Norwegian.

Translation by P. A. Tallantire, 3p. Dec. 1962, avail. Dept. of Agriculture and Fisheries for Scotland, Marine Laboratory, Aberdeen as Transl. 812. Avail. loan - Biol. Lab. BCF, Seattle.

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SWEDISH, per, Jernkontorets Annaler, Vol CXL, No 1, 1956, pp 75-80; Vol CXLI, No 4, 1957, pp 231, 232.

Brutcher Tr 3879
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Dangers Connected With the Use of Compressed Oxygen, by Berger. UNCL

GERMAN, per, Z fuer Komprimierte und Fluessige Gase, Vol XXXVII, No 1/2, 1942.

British Iron and Steel Inst
(no number given)

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Applications of Colour Measurement, by A. Berger.

GERMAN, per, Farbe und Lack, Vol LXVI, 1960, pp 334-337.

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Definition of Water Treatment and General Control of a High Pressure Boiler With the Aid of Hydrogen Estimation, by A. Berger, J. Pirotte, L. Bovyn, 29 pp.

FRENCH, per, Bull Centre Belge Etude et Document. Eaux (Liege), No 37, 1957, pp 140-156.

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The Storage of X-Irradiated Potatoes, by A. Berger, 23 pp.

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Order from SLA $1.10 63-16338

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DESCRIPTORS: *Fluorescence, Dyes, Textiles, *Colorimetry, Spectrophotometers, *Xenon lamps.

(Physics--Optics, TT, v. 10, no. 4)

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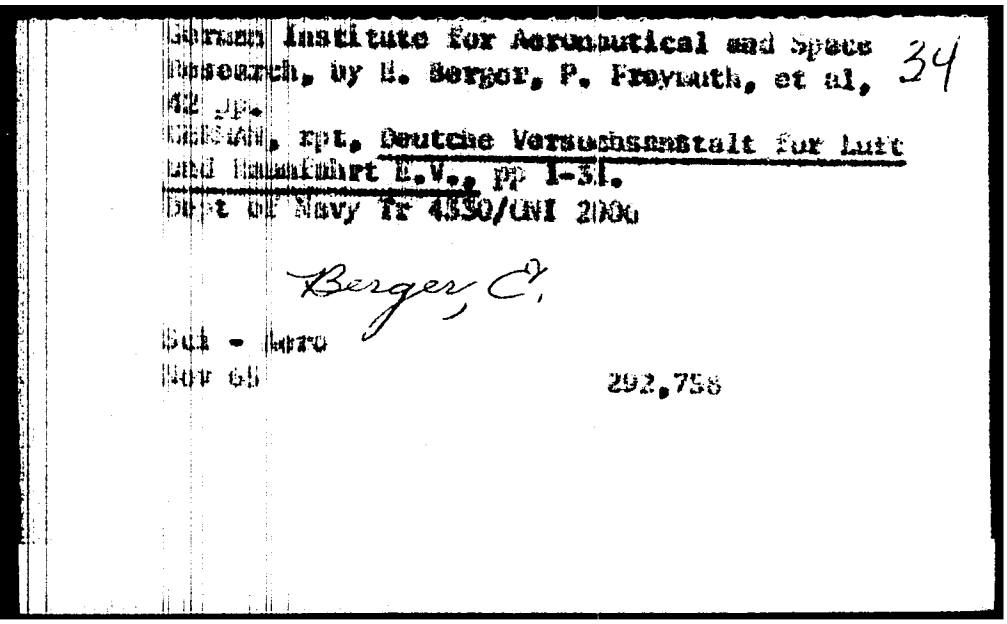

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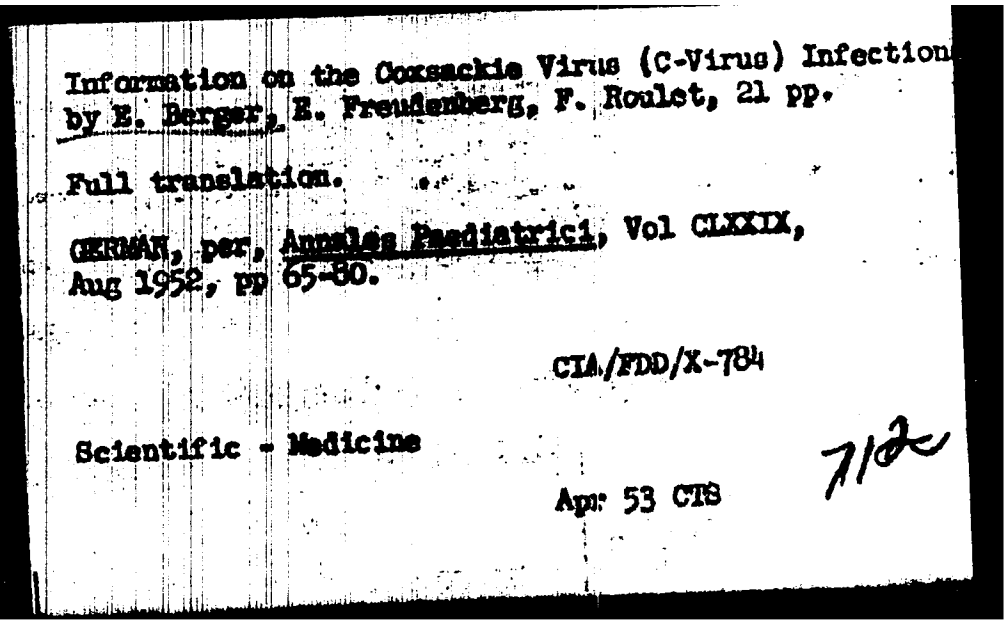

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SLA 59-17717

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Use of Feedback Congrol in the Development of a Constant-Temperature Hot-Wire Anemometer, by F. Berger

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NTC 71-16525-04B

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DESCRIPTORS: Synthesis (Chemistry), *Alcohols, *Ethylenes.

(Engineering--Chemical, TT, v. 10, no. 2)

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Available on loan from SLA 62-10089

Trans. of Chemisch Weekblad (Netherlands) 1941, v. 38, p. 42-43.

DESCRIPTORS: *Clay, Minerals, *Montmorillonite, Crystal structure, Exchange reaction, Methyl radicals.

(Earth Sciences--Mineralogy, TT, v. 7, no. 4)

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II. Title: Methylating ...

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Correction of Lattice Imperfections in Freshly Precipitated CdS Layers, by H. Berger. 25 pp.
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CERMM, par. Phys. Status Solidi, Vol 1, No 7, 1961, pp 739-757.
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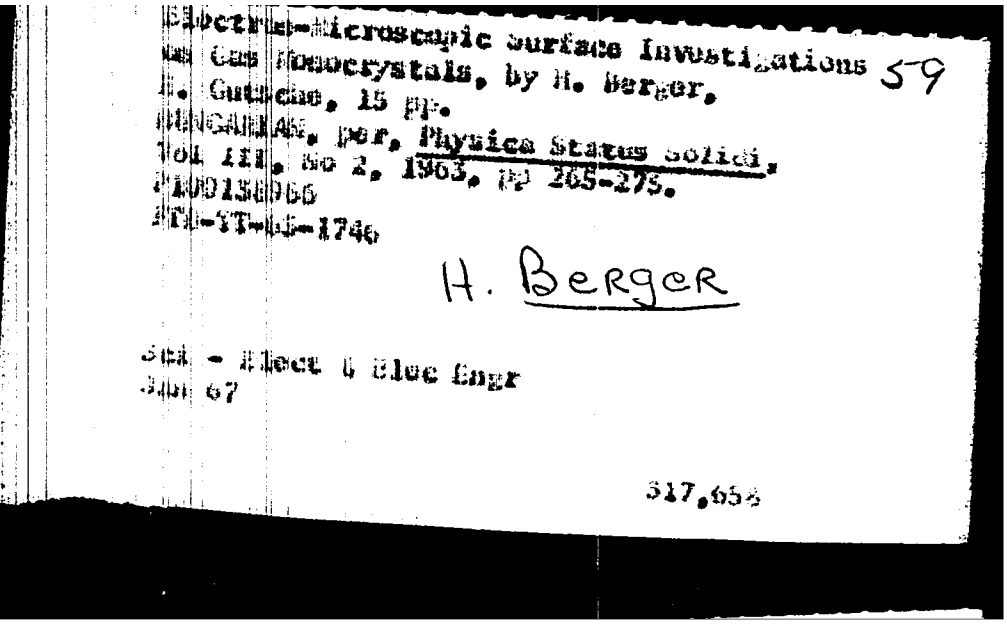

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Order from SLA $1.60 TT-64-10233

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DESCRIPTORS: Metals, Combustion, Explosions, *Fires, Magnesium, *Magnesium alloys, *Fire extinguishers, Safety.

(Engineering--Safety, TT, v. 11, no. 9)

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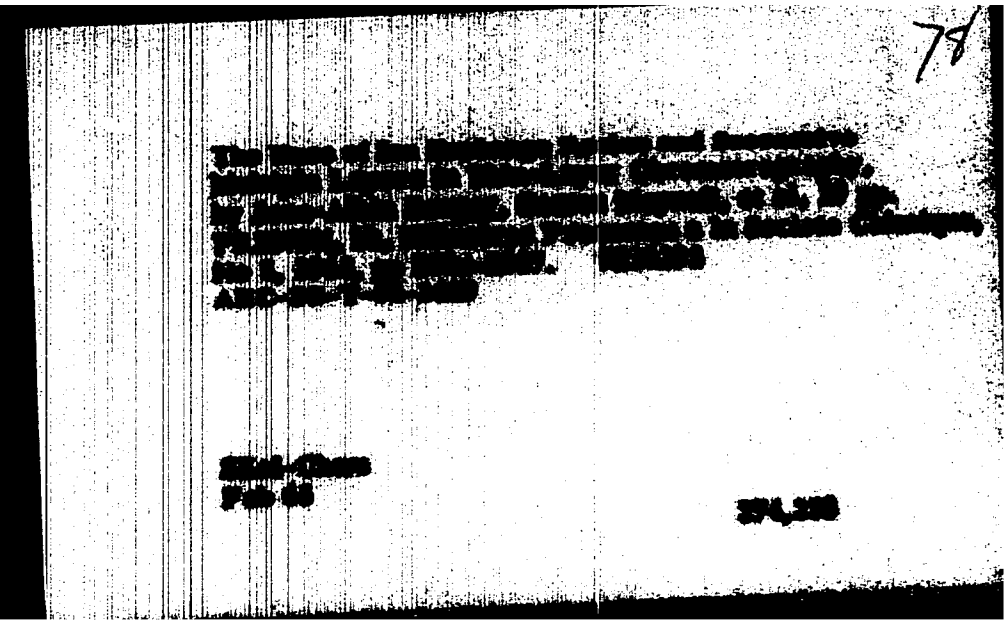

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